

INTERNATIONAL SEARCH REPORT

International Application No
/IB2004/051019

A. CLASSIFICATION OF SUBJECT MATTER		
H01J61/32	H01J61/34	H01J61/56 H01J61/28 H01J61/35
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols) H01J		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6 169 362 B1 (KLINEDINST KEITH A ET AL) 2 January 2001 (2001-01-02) column 1, line 6 - column 3, line 58 column 5, line 10 - column 6, line 34	1-14
Y	WO 02/099146 A (THE PENN STATE RESEARCH FOUNDATION; GERMAN, RANDALL, M; IACOCCA, RONAL) 12 December 2002 (2002-12-12) page 1 - page 4 page 22, line 7 - page 23, line 20	1-14
A	US 6 229 260 B1 (HAITKO DEBORAH ANN ET AL) 8 May 2001 (2001-05-08) the whole document	1-14
A	US 5 994 838 A (KLINEDINST ET AL) 30 November 1999 (1999-11-30) the whole document	1-14
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<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.		
* Special categories of cited documents: *A* document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. *&* document member of the same patent family		
Date of the actual completion of the international search 9 March 2006		Date of mailing of the international search report 27/04/2006
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel: (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer But, G-I

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,A	US 2004/095078 A1 (LEONG SUSAN J) 20 May 2004 (2004-05-20) paragraph [0001] - paragraph [0018] paragraph [0045] -----	1-14

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6169362	B1	02-01-2001	NONE
WO 02099146	A	12-12-2002	NONE
US 6229260	B1	08-05-2001	NONE
US 5994838	A	30-11-1999	NONE
US 2004095078	A1	20-05-2004	US 2004189218 A1 30-09-2004